INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00763

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : A 61K 31/4365; C07D 513/04				
US CL: 514/300, 301; 546/113, 114 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/300, 301; 546/113, 114				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
х	Database CASPLUS on STN(Columbus, OH, USA), acylamino acid amide compounds as platelet aggregat (1999)see entire reference and RN 220387-47-3.	No. 130:168654 'Preparation of N- tion inhibitors' Kuroki et al. abstract,	1-5, 43-49	
<u>х</u> <u>ч</u>	US 6,265,418 B1 (Kuroki et al) 24 July 2001, see 6 35 and 61-69 compounds, col. 118 lines 9-15 and col	entire reference especially, columns 30- l. 188-194 starting material.	1-5, 43-49 1-5, 18-23, 42-49, 51- 52	
Y	Burger "A guide to the chemical basis of drug design	" p.15, (1983), see entire reference	51-52	
Further documents are listed in the continuation of Box C. See patent family annex.				
• s	pecial categories of cited documents:	"T" later document published after the inte	ernational filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the applic principle or theory underlying the inve		
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the	ne art	
	t published prior to the international filing date but later than the late claimed	"&" document member of the same patent	family	
Date of the actual completion of the international search		Date of mailing of the international search report		
	2005 (01.02.2005)	Authorized officer MAR 2005	7.70	
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US		Authorized officer Mana Juliano		
Commissioner for Patents P.O. Box 1450		•		
	xandria, Virginia 22313-1450 o. (703) 305-3230	Telephone No. 571-272-0679		

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INTERNATIONAL SEARCH REPORT

International application No.

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Box	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This	internati	onal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.		Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
		ional Searching Authority found multiple inventions in this international application, as follows: ontinuation Sheet
1. 2. 3.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: Please See Continuation Sheet
4. Rema	ark on l	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general -inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-2, 42-49, 51-52 in part when X is CR1, Y is CR1, Z is S, and claims 3-5 drawn to pyridylthienyl ring compounds.

Group II, claims 1-2, 42-52 in part when two of the X, Y, Z id NR2 or N, and claims 6-10, 30-35 drawn to pyridyldiazole/pyridylimidazole compounds.

Group III, claims 1-2, 42-49, 51-52 in part when one X, Y, Z is NR2 or N, one is CR1, one is O, and claims 11-17, 24-29, drawn to pyridyloxazole/pyridylisoxazole compounds.

Group IV, claims 1-2, 42-52 in part when one X, Y, Z is NR2 or N, one is CR1, one is S, and claims 18-23 drawn to pyridylthiazole/pyridylisothiazole compounds.

Group V, claims 1-2, 42-49, 51-52 in part when X, Y, Z are all N, drawn to pyridyltriaoles.

58 The inventions listed as Groups I-V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

PCT administrative instruction section 206 Annex B(f)Markush Practice (i)(B)(2)(v) saids "When dealing with alternatives, if it can be shown that at least one Markush alternative is not novel over the prior art, the question of unity of invention shall be reconsidered by the examiner..."

In the instant case, at least one Markush alternative is <u>not novel</u> because the claims are compounds with position homologs of the prior art compounds (see CA 127:149410, the amino substituent is at the homologous location).

Continuation of Box III Item 3:

3-5, 18-23, and 1-2, 42-4-, 51-52in part when X-Y-Z forms thienyl, thiazol or isothiazol.

Continuation of B FIELDS SEARCHED Item 3:

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